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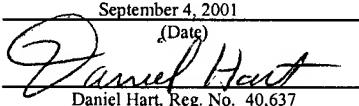
TECH CENTER 1600/2900

#9/4  
9-13-01  
Rev

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Fouillet et al.  
Appl. No. : 09/627,647  
Filed : July 28, 2000  
For : INTEGRATION OF  
BIOCHEMICAL PROTOCOLS  
IN A CONTINUOUS FLOW  
MICROFLUIDIC DEVICE  
Examiner : Sisson, B.

) Group Art Unit 1655  
)  
) I hereby certify that this correspondence and all  
) marked attachments are being deposited with  
) the United States Postal Service as first-class  
) mail in an envelope addressed to: Assistant  
) Commissioner for Patents, Washington, D.C.  
) 20231, on  
)  
) September 4, 2001  
) (Date)  
)   
) Daniel Hart, Reg. No. 40,637

AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Office Action mailed May, 4, 2001 in the above-identified application, Applicant respectfully requests the Examiner to reconsider the above-captioned application in view of the foregoing amendments and the following comments.

The amended claims are shown on a separate set of pages attached hereto and entitled **VERSION WITH MARKINGS TO SHOW CHANGES MADE**, which follows the signature page of this Amendment. On this set of pages, the insertions are underlined while the deletions are stricken through.

09/10/2001 TGEDAMU1 00000004 09627647  
01 FC:103  
02 FC:115

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110.00 0P

IN THE CLAIMS

Please amend the claims as follows:

*✓* A device comprising:  
a microfluidic substrate comprising at least one pathway for sample flow; and  
said microfluidic substrate further comprising at least one temperature regulated  
zone which is capable of cycling between at least two temperatures, said at least one  
temperature regulated zone being adapted to bring at least a portion of said sample